



S-POWER ELECTRONICS LTD.

...iSmarter wireless connectivity

2.4G RF Transceiver Module

The BG1W24 series RF transceiver module provide standard compliant radio using Nordic 24L01 RFIC in an easy to manufacture SIP PCB package with various form factors, output power and receiver sensitivity. The module comes with embedded antenna The CS7Dxxxx has an output loading sensing pin to avoid high voltage built up due to no load free running.



Part No	Supply Voltage	Output power	Receiving Sensitivity	Frequency	Power Consumption	Number of channels	Channel switching time	Antenna Port	Package
BG1W2401R	1.9 ~ 3.6V	0 dBm	-82dBm (2Mbps)	2400~2525 MHz	TX: 11.3mA RX: 12.3mA Power Down: 400nA Standby: 32uA	125	200uS	Embedded Inverted F	26 x 18.5 x 4.1 mm SIP
BG1W2401M	1.9 ~ 3.6V	0 dBm	-82dBm (2Mbps)	2400~2525 MHz	TX: 11.3mA RX: 12.3mA Power Down: 400nA Standby: 32uA	125	200uS	External	14 x 13.4 x 2.1 mm SIP
BG1W2401P	1.9 ~ 3.6V	20dBm	-92dBm (2Mbps)	2400~2525 MHz	TX: 115mA RX: 45mA Power Down: 4.2uA Standby: 60uA	125	200uS	External and SMA	19 x 44 x 2.1 mm SIP



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